

WHAT IS CLAIMED:

1. An apparatus that produces plurality of focused ultrasonic waves onto the surface of fluid generating controlled fountains or fog, comprising of
 - a. A plurality of concave focused piezoelectric transducers immersed in a fluid.
 - b. A signal function generator that drives the individual transducers with a cyclic signal at one or more of their resonance frequencies.
 - c. A sound emitter comprising of a computer controlled signal generator, music emitting device, or sound synthesizer source that produces signals that modulates the cyclic signal drives the transducers
 - 10 d. An amplifier that amplifies the drive signals to generate high power ultrasonic waves by the transducers
 - e. A light generator that illuminates the fountains and fog
- 15 2. The apparatus of claim 1, wherein said comprising of concave curved piezoelectric transducers with air backing that radiates ultrasonic waves in the forward direction.
3. The apparatus of claim 1, further comprising of a controllable generator that changes the drive frequency of the transducer to emit plurality of effects that include fountains, fog and their combinations.
- 20 4. The apparatus of claim 1, further comprising of a controllable generator that drives synchronously the appearance of fountains and fogs, harmoniously with projected light at the rhythm of sound